

In the Claims

Applicant presents a full set of claims showing markups of the claims with insertions and deletions indicated by underlining and strikethrough text (or double bracketing), respectively.

1. (Currently amended) An isolated cell that recombinantly expresses an N-type calcium channel comprising a Ca_v2.2 subunit that comprises exon e37a (Ca_v2.2e[37a]) but does not comprise exon e37b.
2. (Original) The isolated cell of claim 1, wherein the Ca_v2.2e[37a] subunit has a human sequence.
3. (Withdrawn) The isolated cell of claim 1, wherein the Ca_v2.2e[37a] subunit has a mouse sequence.
4. (Withdrawn) The isolated cell of claim 1, wherein the Ca_v2.2e[37a] subunit has a rat sequence.
- 5-36. (Canceled)
37. (Previously presented) The isolated cell of claim 1, wherein the cell is a neuron.
38. (Previously presented) The isolated cell of claim 2, wherein the cell is a neuron.
39. (Withdrawn) The isolated cell of claim 3, wherein the cell is a neuron.
40. (Withdrawn) The isolated cell of claim 4, wherein the cell is a neuron.
41. (Previously presented) The isolated cell of claim 1, wherein the cell is an oocyte.
42. (Previously presented) The isolated cell of claim 2, wherein the cell is an oocyte.

43. (Withdrawn) The isolated cell of claim 3, wherein the cell is an oocyte.
44. (Withdrawn) The isolated cell of claim 4, wherein the cell is an oocyte.